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(54) DISK RECORDING AND REPRODUCING DEVICE

(57) Abstract

PURPOSE: To achieve recording and reproduction while keeping constant in phase relation with a reference period signal by controlling a motor so that a detection signal showing the constant-angle position of a disk and the reference period signal are in phase, by making a phase comparison between both the signals.

CONSTITUTION: A detected part for the detection of a constant-angle position provided on a disk 11 is detected by a turning-angle detector 17, and a phase comparison control circuit 18 compares the phase of said detection signal with that of a reference period signal from a reference-period-signal generator 19 to exercise constant-speed control over a motor 15 so that both the signals are in phase. Further, a turning-angle detection signal is inputted to a beam displacement control circuit 31 to generate a track switching signal with a mode setting signal inputted from an instruction signal circuit 33. This signal controls a rotary mirror 28.

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